

Calendar

Wednesday, December 7

3:30 p.m. Director's Coffee Break -
2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West
Speaker: R. Scherrer, Vanderbilt
University

Title: Science and Science Fiction

Note: There will be no Fermilab ILC R&D
Meeting Today

Thursday, December 8

9:30 a.m. [Presentations to the Physics
Advisory Committee](#) - Curia II

11:00 a.m. Academic Lecture Series -
1 West

Speaker: P. Langacker, Fermilab/
University of Pennsylvania

Title: Tests of the Electroweak Theory –
Lecture 4

2:30 p.m. Theoretical Physics Seminar -
1 West

Speaker: Z. Chacko, University of Arizona
Title: Twin Higgs Theories

3:30 p.m. Director's Coffee Break -
2nd Flr X-Over

4:00 p.m. Accelerator Physics and
Technology Seminar - 1 West
Speaker: R. Zwaska, University of Texas
Title: Booster Cogging

Weather



Sunny 14°/3°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Fermilab Research Shown at Supercomputing 2005



Bob Tschirhart from the Computing Division is interviewed at SC|05 by Korean television for a documentary about e-science. ([Click image for larger version.](#))

Physics and computer science technology at Fermilab and SLAC was on display last month at the Supercomputing 2005 (SC|05) conference in Seattle, Washington. For the fifth year in a row, Fermilab and SLAC combined forces to present a joint exhibit highlighting the relationship between computing, networking and high-energy physics research. Many people from both laboratories spent months preparing and planning for the exhibit, and more than 30 traveled to SC|05 from November 12 to 18.

"This was our fifth year presenting a joint Fermilab/SLAC booth at Supercomputing, and it was another successful exhibit," said Ruth Pordes from the Computing Division. "This year we showcased science that uses distributed computing technology." The exhibit was based around the Open Science Grid, a distributed computing collaboration in which scientists from Fermilab, SLAC and many other

Grad Students to Drive Across Desert for Charity



This 18-year-old car will make the 3,500 mile trek. ([Click image for larger version.](#))

What do you call three Fermilab grad students who pile into a broken-down 1987 Renault 5 and attempt to drive it 3,500 miles through minefields, the Sahara Desert and much of West Africa? Crazy? Maybe. But more appropriately: philanthropists. As part of the Plymouth-Banjul Challenge, Matt Leslie and Simon Waschke, of CDF, and James Monk, of DZero, hope to raise 3,000 pounds (more than 5,000 dollars) for SOS Children, a charity that provides food, medicine and practical help for African children orphaned by the AIDS epidemic. As Team Gila Monsters, the grad students will leave Britain on December 26 for Banjul, The Gambia, in West Africa.

The team members, from the universities of Glasgow, Manchester and Oxford, met at Fermilab two years ago. "We decided to do it mainly because it sounded like a real adventure - it's hard to get that kind of experience," Leslie said. "We know it's not completely insane because it's been done before, but it's still difficult enough to make it exciting."

Cars used for the journey cannot cost

Wilson Hall Cafe

Wednesday, December 7

- Vegetable Beef
- Fish & Chips
- Salmon w/Lemon Pepper
- Country Fried Steak w/Pepper Gravy
- Beef & Cheddar Panini w/Sauteed Onions
- Assorted Personal Sized Pizzas
- Cavatappi Pasta w/Italian Sausage & Tomato Ragu

The Wilson Hall Cafe accepts Visa, Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, December 7

Lunch

- Shrimp
- Roasted Red Peppers with Spinach
- Tortellini in Cream Sauce
- Lingonberry Cheesecake

Thursday, December 8

Dinner

- Shrimp Bisque
- Quail in Pear
- Wild Rice w/Pecans & Currants
- Multicolor Julienne of Peppers
- Cranberry Cake

[Chez Leon Menu](#)

Call x4512 to make your reservation.

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Info

institutions participate. Through posters, interactive demonstrations and presentations, the exhibit showcased scientific applications, network research and grid computing at both labs.

Fermilab and SLAC researchers also participated in a team entry in the Bandwidth Challenge, a contest that challenged scientists and networking engineers to create the best techniques for using vast amounts of data and showcasing it on advanced networks. The team, led by Caltech, transferred high-energy physics data at a rate of over 130 gigabits per second to win the challenge for the third year in a row. The booth was rounded out by an exhibit on QuarkNet, a Fermilab-led high energy physics education project for high school students and teachers.

—Katie Yurkewicz

Fermilab/SLAC Press Release: High Energy Physics Team Captures Network Prize at SC|05

Batavia, IL and Menlo Park, CA- Researchers from the U.S. Department of Energy's Fermi National Accelerator Laboratory and Stanford Linear Accelerator Center recently joined an international team in shattering the world network speed record. To capture first place in the SC|05 Bandwidth Challenge, the team of high energy physicists, computer scientists and network engineers led by the California Institute of Technology transferred physics data at a rate of over 150 gigabits per second--equivalent to downloading over 130 DVD movies in one minute.

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In the News

more than 100 pounds and fundraiser participants only can spend 15 pounds on repairs. With oil leaks, bald tires and two-wheel drive, the Renault is hardly suitable for the desert trek, but the team "won't abandon the car without a fight," Leslie said. If they reach Banjul, the car will be auctioned and the proceeds donated to Gambian charities.

The team is seeking sponsors to donate time and parts for fixing their ride, as well as donations to meet their fundraising goal. "Other than that, we are preparing by taking the approach most academics would - research," Leslie said. "We've been reading books like 'Sahara Overland,' brushing up on our French and learning far more about West Africa than we ever thought we would." For more information, or to donate, visit the team's [Web site](#).

Announcements

International Folk Dancing

International Folk Dancing will meet Thursday, December 8, at Kuhn Barn on the Fermilab site. Dancing begins at 7:30 p.m. with teaching and children's dances earlier in the evening and request dancing later on. Newcomers are welcome and you do not need to come with a partner. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

Give the Gift of Good Health

Surprise someone with the gift of good health. Gift Certificates are available for a Recreation Membership for your spouse, adult dependent, or co-worker. The Recreation Facility is open twenty-four hours a day, every day. The price for a membership is \$45 for graduate students and each of their qualified family members and \$75 for a regular

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University of Chicago Press Release: December 5, 2005: New Views of Universe attracting scientists to Chicago Dec. 9-13: Meeting will honor influential University of Chicago cosmologist David Schramm, inaugurate Kavli Institute for Cosmological Physics

Scientists will puzzle over the physics of the beginning of the universe, a mysterious force called dark energy that works against gravity, and many other cosmic mysteries at the University of Chicago's New Views of the Universe symposium Dec. 9 to 13.

More than 200 scientists, students and journalists have registered for the symposium, which will be held from Dec. 9 to 13 at the Hyatt Regency in downtown Chicago. The meeting will be the inaugural symposium of the Kavli Institute for Cosmological Physics at the University of Chicago.

[Read More](#)

membership and each of their qualified family members. Go [online](#) for more information and pictures of the facility.

CDSsystem Status Page Moving

The CDSsystem status page is moving on Thursday, December 8, 2005. [Click here](#) for the new link. NOTE: Both the old and new sites have been kept updated with system status information so you can change your links now if you choose to do so.

Fermilab Folk Club Barn Dance

Fermilab Folk Club Barn Dance Sunday, Dec. 11 at 6:30 p.m. with music by Superstring Theory and calling by Paul Watkins. More info on [the Web](#).

[Upcoming Activities](#)